



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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February 27, 2015

Ms. Nuria Muniz
NPL Coordinator
Superfund Division SR-6J
U.S. EPA, Region V
77 West Jackson Boulevard
Chicago, IL 60604-3507

Dear Ms. Muniz:

Re: Site Inspection
Ranney Well Field Ground Water
Plume
Anderson, Madison County
EPA ID INN000510915

SITE SUMMARY

The Ranney Well Field Ground Water Plume Site Inspection conducted on July 21, 2014 through July 25, 2014, gathered information necessary to evaluate the Site as a candidate for the National Priorities List (NPL). Eight (8) municipal wells in the Ranney Well Field supply the Wheeler Water Treatment Plant, which supplies sixty percent (60%) of the City of Anderson's daily water supply or a population of 32,400 when based on a total population of 54,000. All eight (8) wells are operated daily and the supplied unfinished water is manifolded prior to distribution. Four (4) of the eight (8) wells are Ranney Wells which have had detections of elevated Volatile Organic Compounds (VOCs) in the raw water. In 1999, the Wheeler Water Treatment Plant was issued a construction permit for the installation of three (3) air strippers to reduce VOC contaminants to below the Drinking Water Maximum Contaminant Level (MCL).

In July 2014, IDEM's Site Investigation Program collected twenty-seven (27) ground water, eighteen (18) subsurface soil, and six (6) surface water samples that were analyzed for VOCs. VOCs of concern for this sampling event include, but are not limited to, trichloroethylene (TCE), tetrachloroethylene (PCE), cis-1,2-dichloroethylene (cis-1,2 DCE), 1,1-dichloroethane (DCA), 1,1,1-trichloroethane (1,1,1-TCA), and vinyl chloride.

Ground water sampling indicated elevated levels of PCE, TCE, cis-1,2-DCE, and VC in the unfinished water of three (3) Ranney Wells. Ground water sampling indicated elevated levels of PCE, cis-1,2-DCE, 1,1,1-TCA, 1,1-DCA, VC, and TCE in five (5)

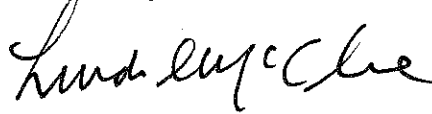
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sample locations near the Ranney Well Field; three (3) of these locations are potential sources. PCE, TCE, and VC exceeded Drinking Water MCLs in the raw water of the three (3) Ranney Wells and at all five (5) sample locations. Subsurface soil sampling indicated elevated levels of PCE in two (2) subsurface soil samples collected from potential source areas.

If you have questions regarding the contents of this correspondence, please contact me at (317) 232-3220 or at lmccclure@idem.in.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda L. McClure". The signature is fluid and cursive, with the first name "Linda" being the most prominent.

Linda L. McClure
Senior Environmental Manager
Site Investigation Program
Federal Programs Section

cc: Denise Boone, U.S. EPA
Frances Dean, U.S. EPA
Rex A. Osborn, IDEM